

**FIG. 1B**

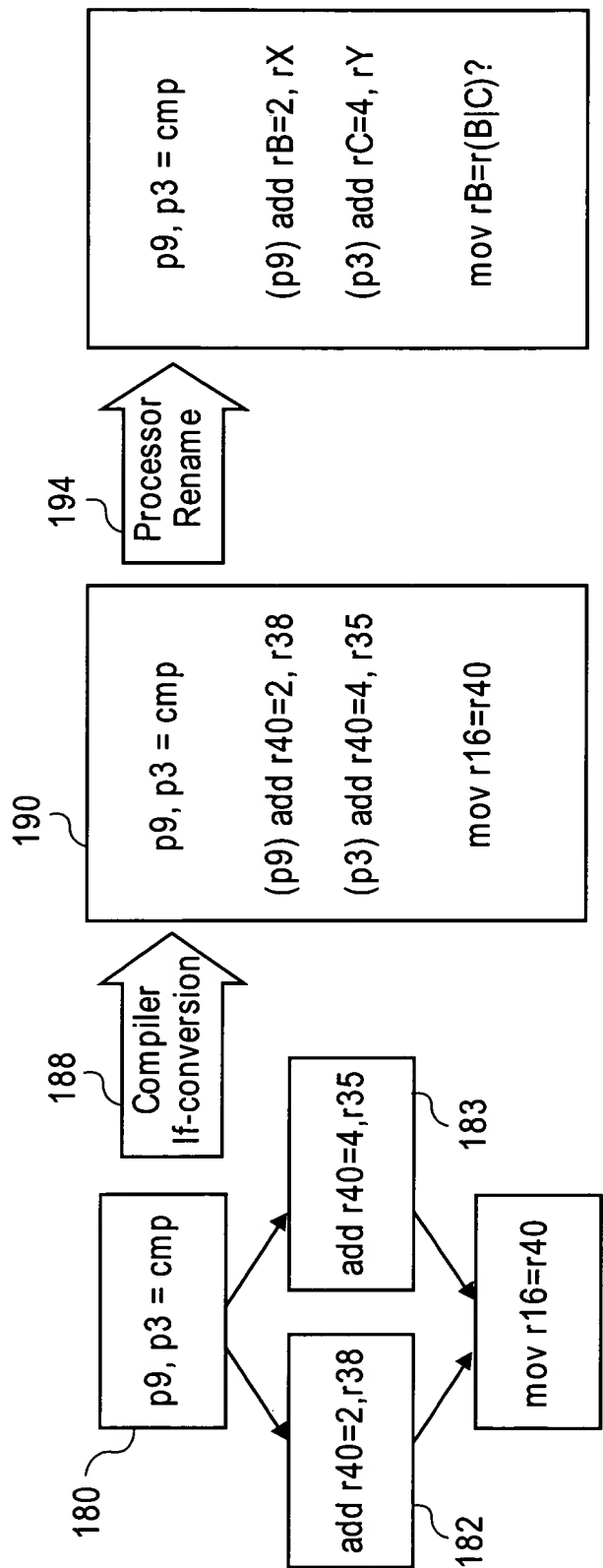
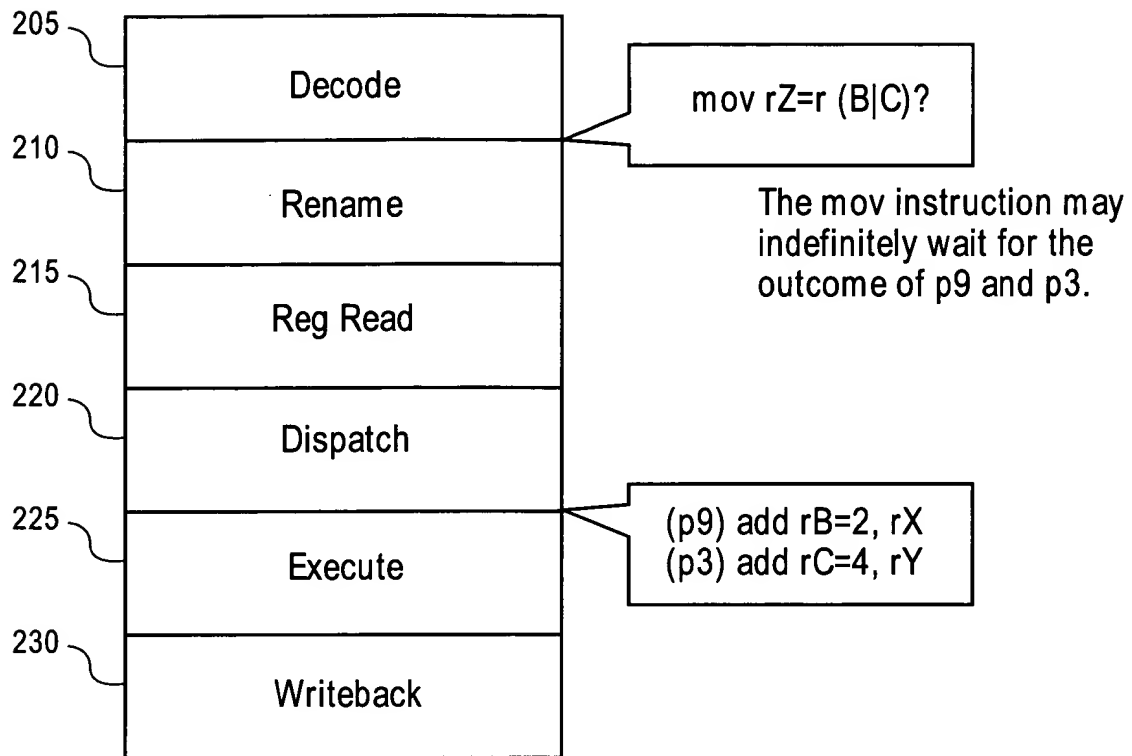
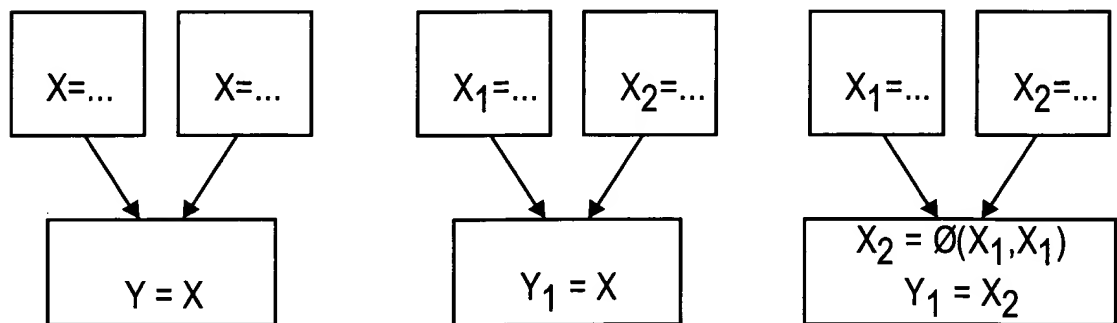


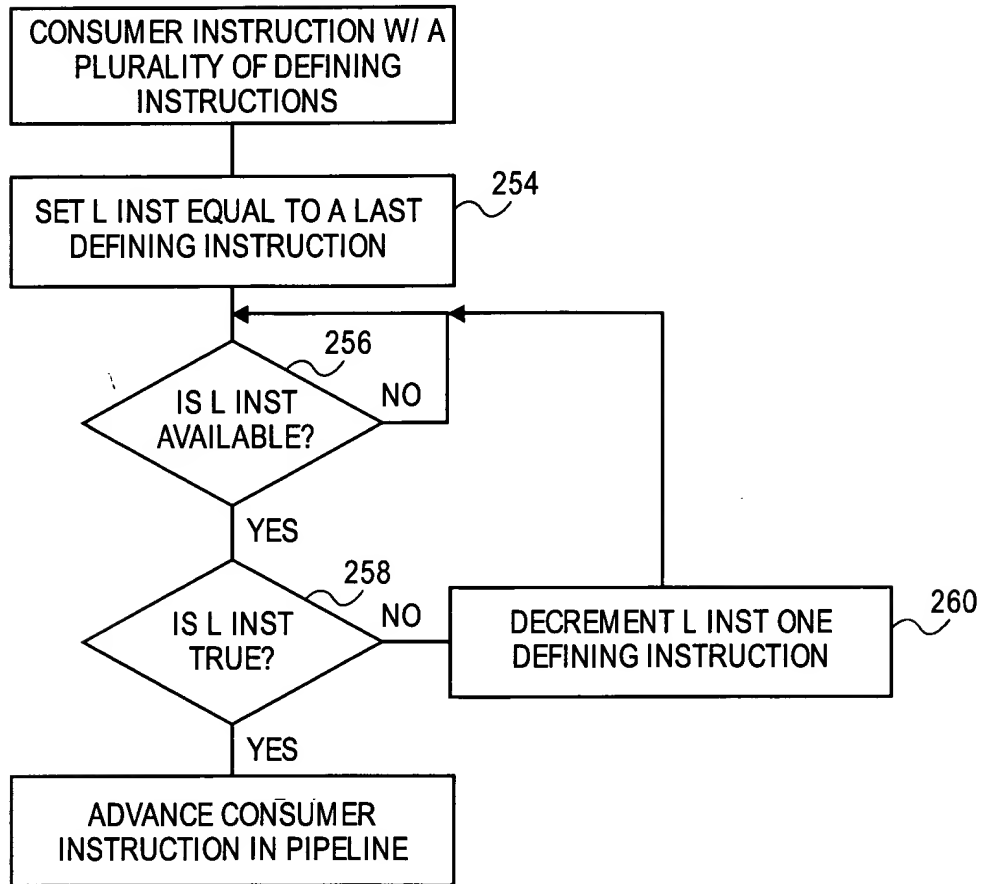
FIG. 1C



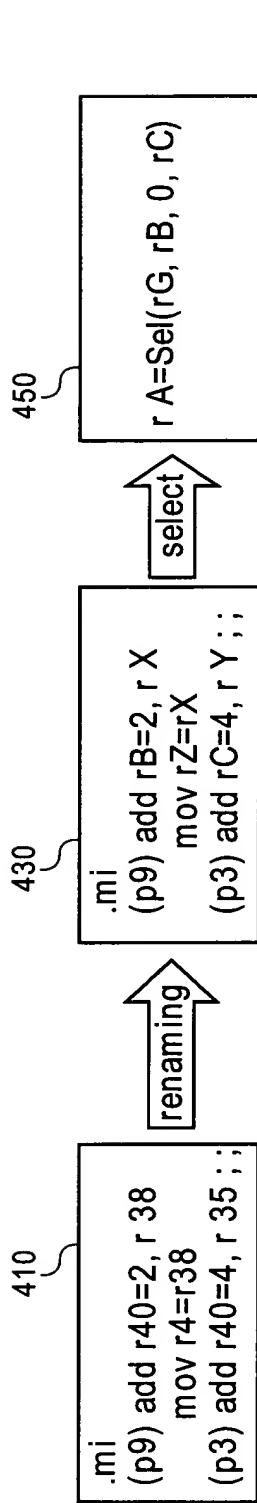
**FIG. 2**



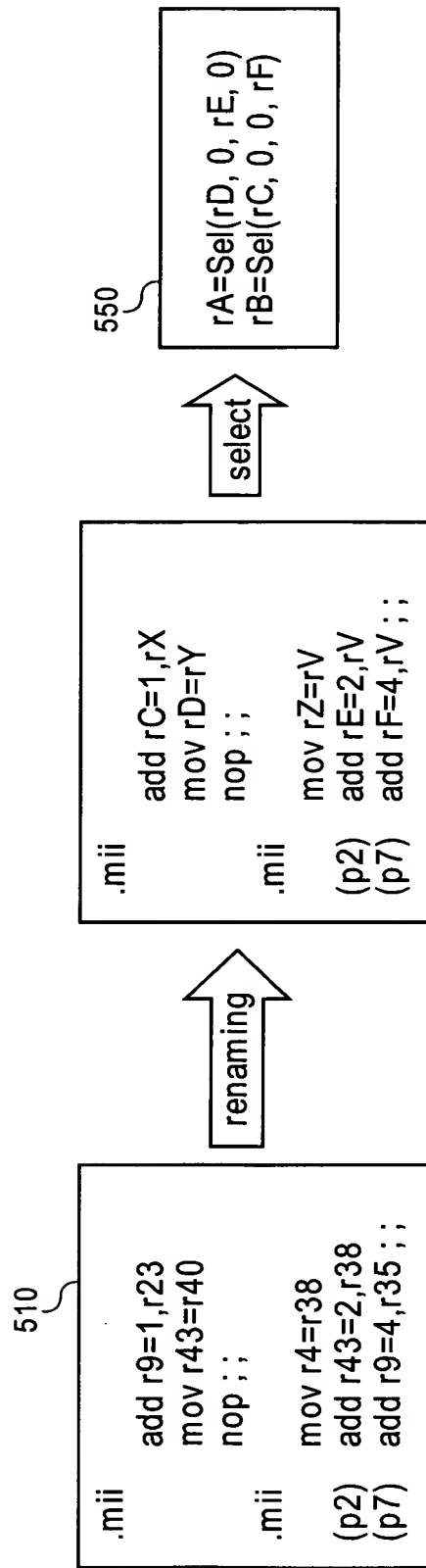
**FIG. 3**



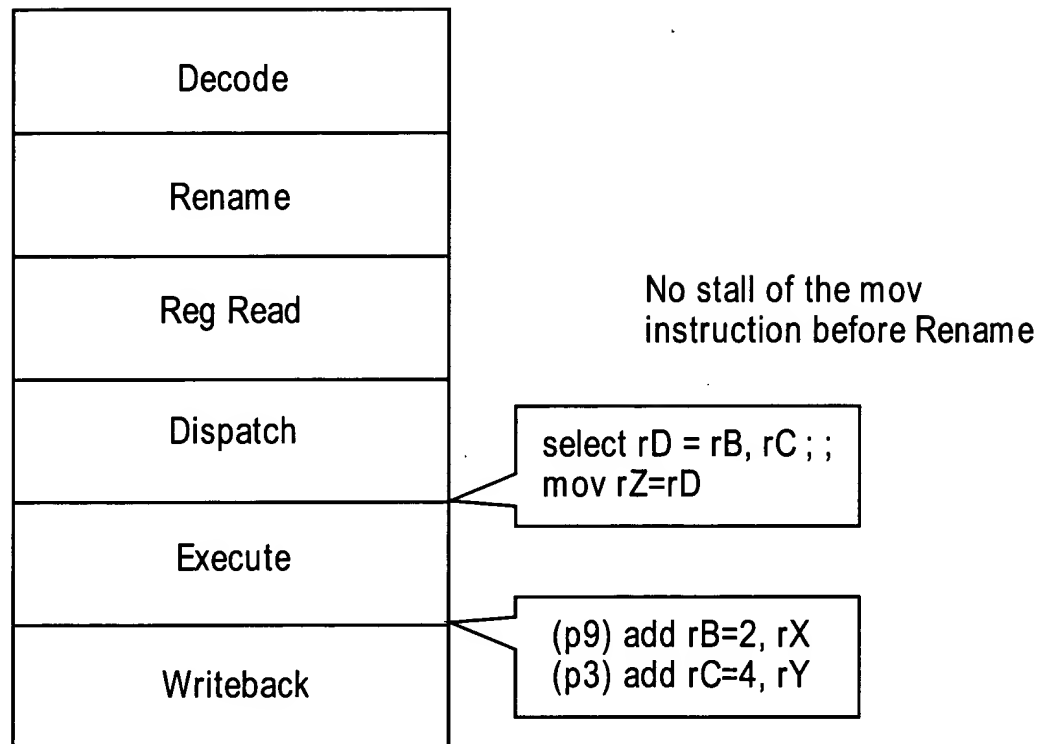
**FIG. 2A**



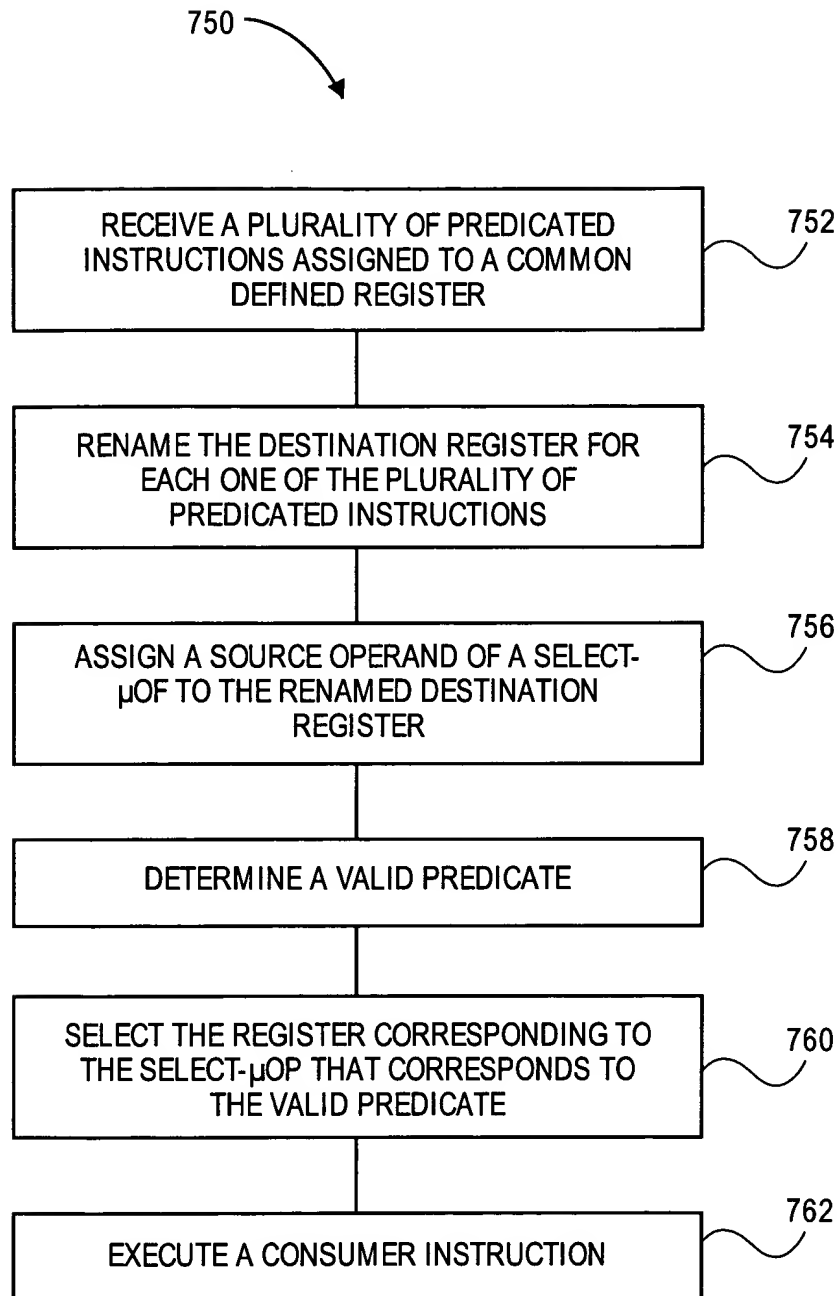
**FIG. 4**



**FIG. 5**



**FIG. 6**



**FIG. 7A**



select-uop	dest	s0	s1	p1	v1	s2	p2	v2	s3	p3	v3
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FIG. 7

	Slot 0			Slot 1		Slot 2		Slot 3	
	valid	phys reg	predicate	phys reg	predicate	phys reg	predicate	phys reg	predicate
0	1	r4	p1	r8	p9				
1	1	r11	p0						
2	0								
3	1	r6	p9	r14	p4	r21	p0	r17	p2
4	1	r24	p2						
..									
..									
..									
..									
..									
n	1	r7	p12	r15	p3				

FIG. 8

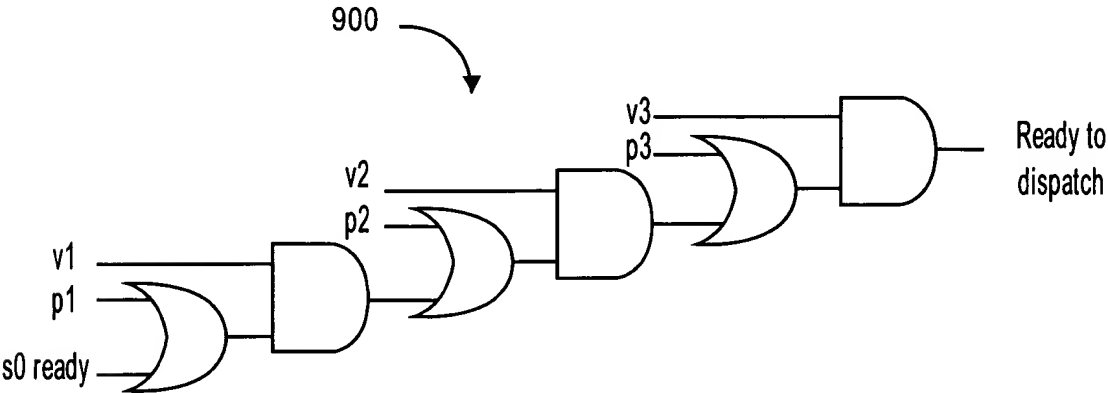
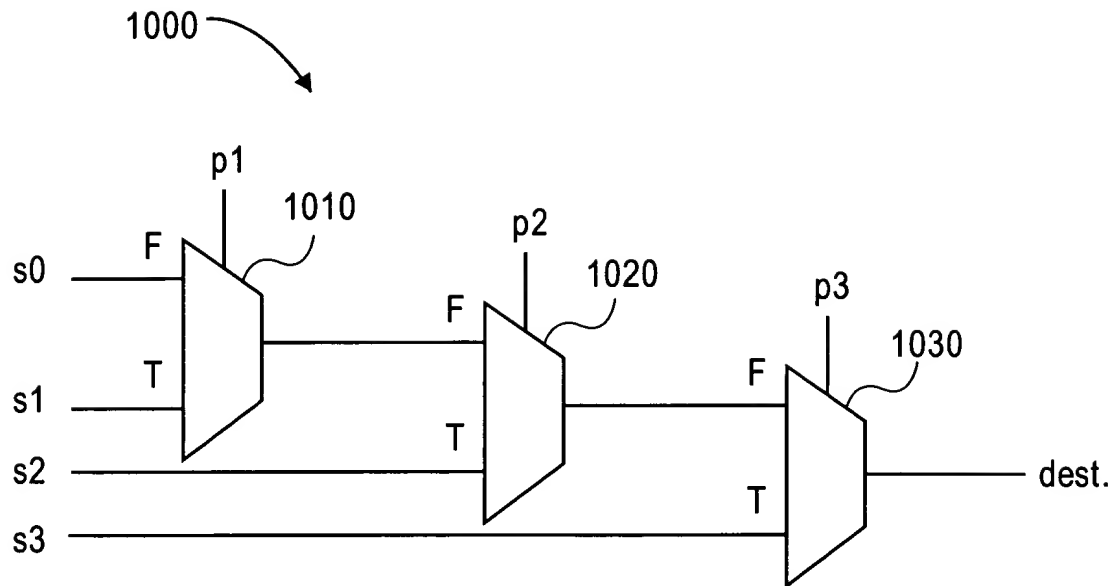


FIG. 9



**FIG. 10**

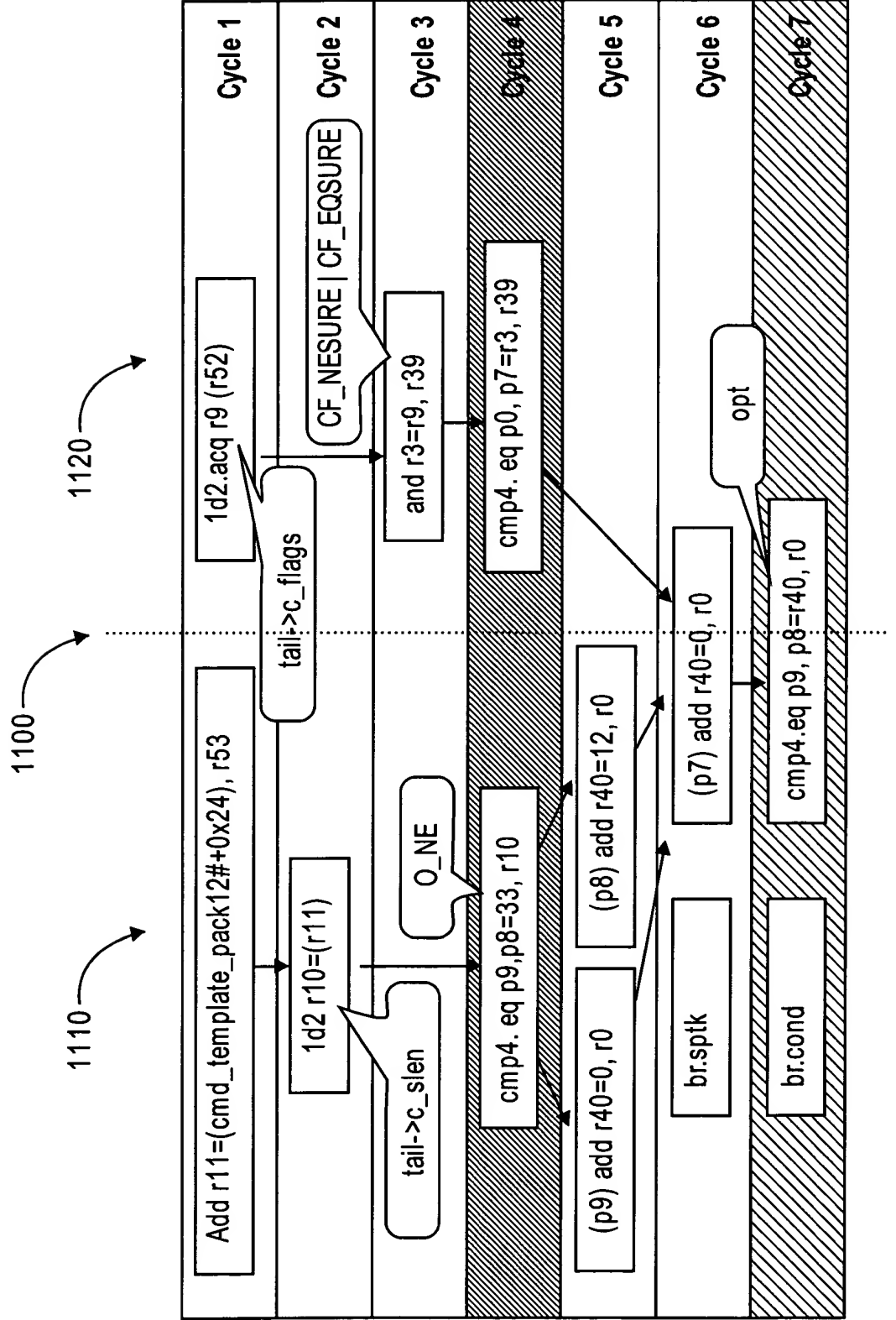


FIG. 11

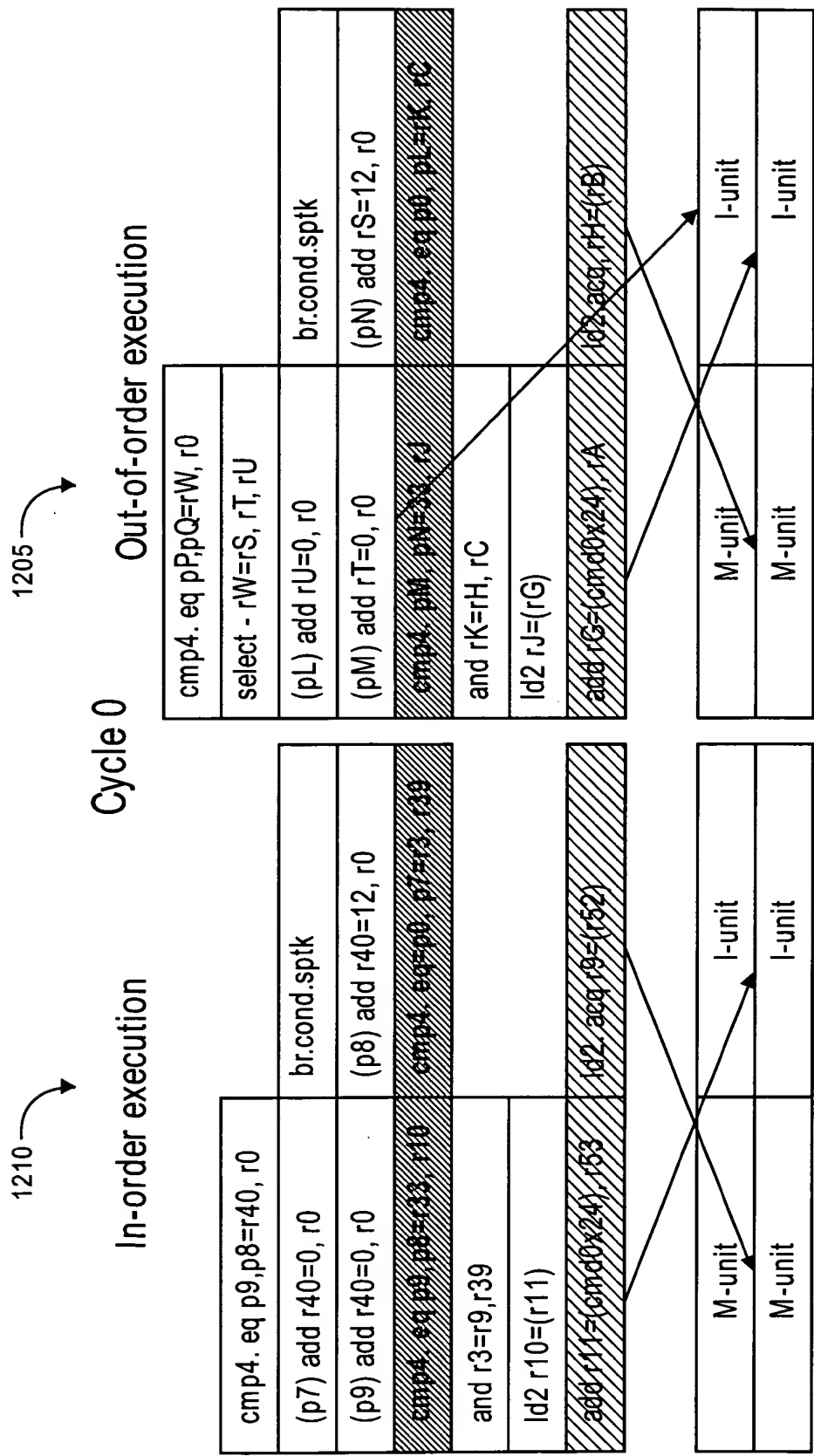
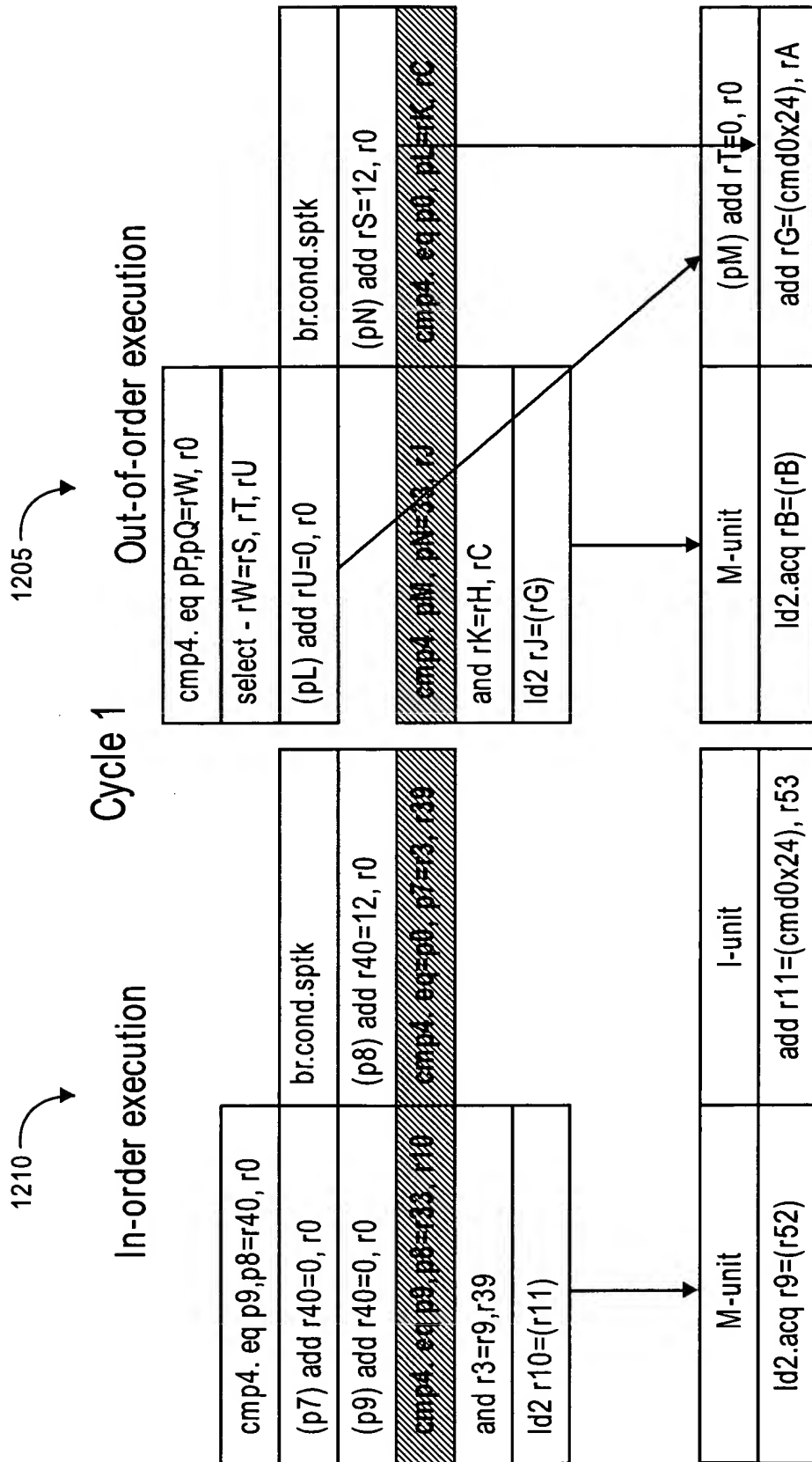


FIG. 12A



**FIG. 12B**

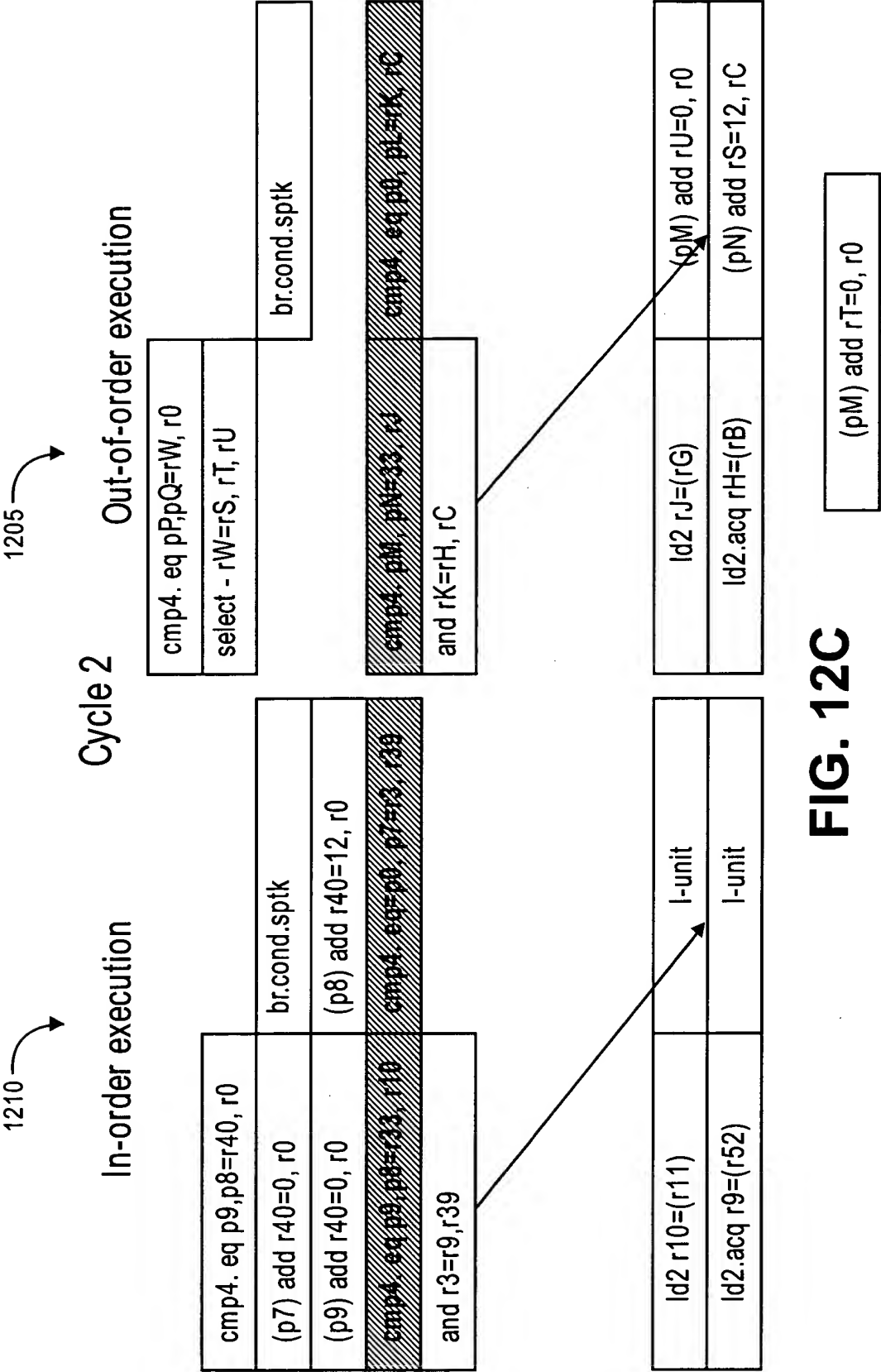


FIG. 12C

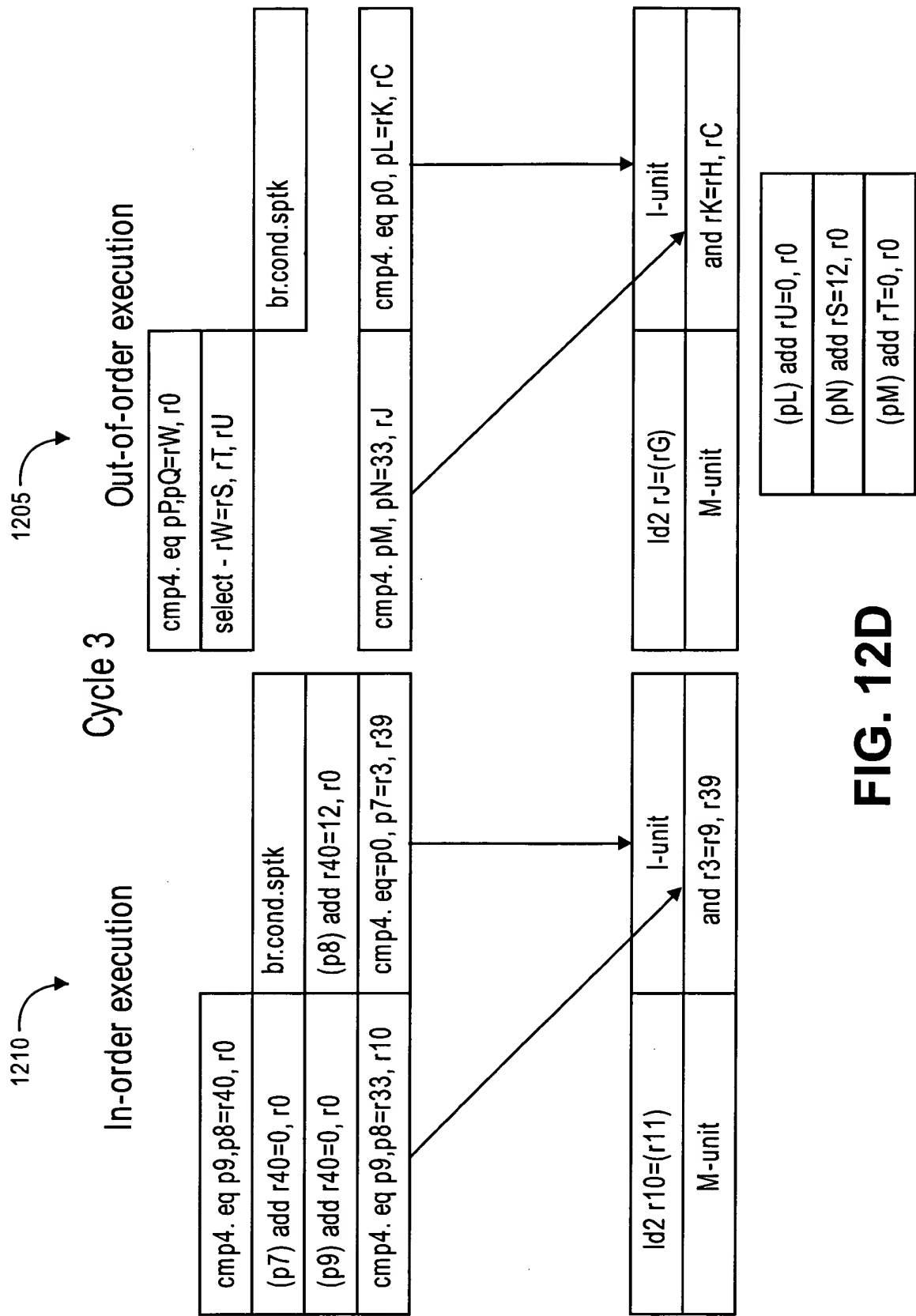


FIG. 12D

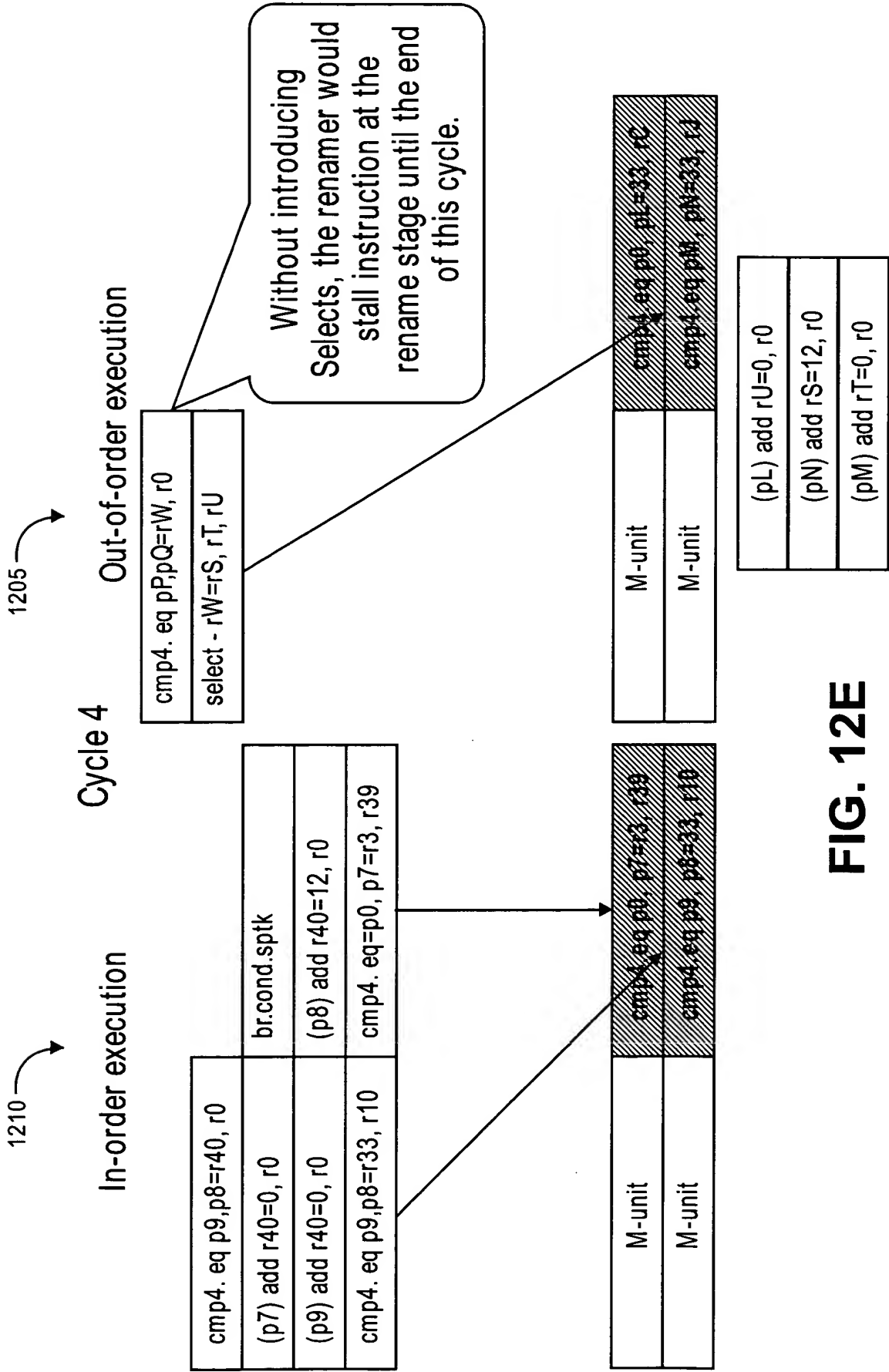


FIG. 12E



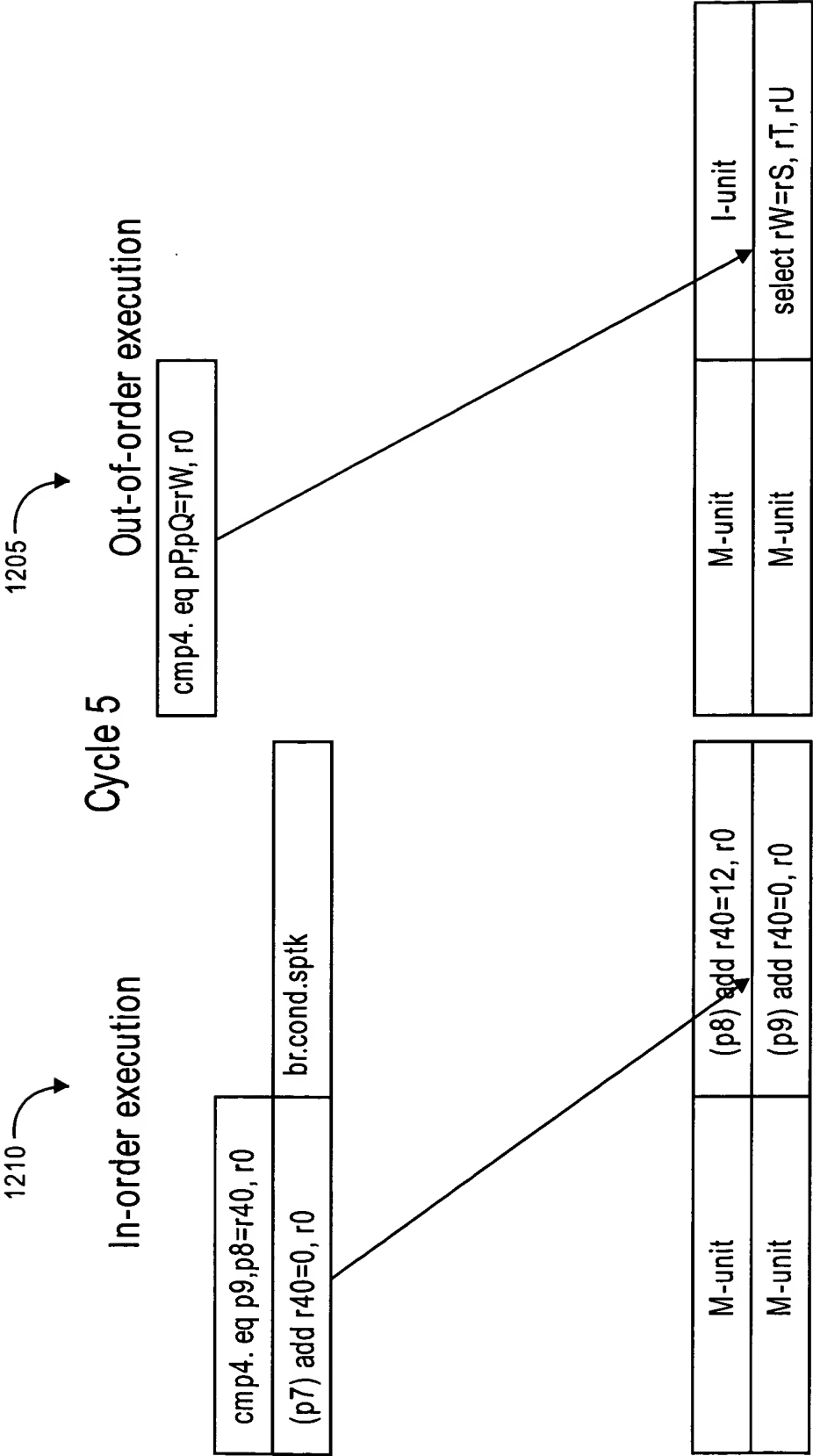


FIG. 12F

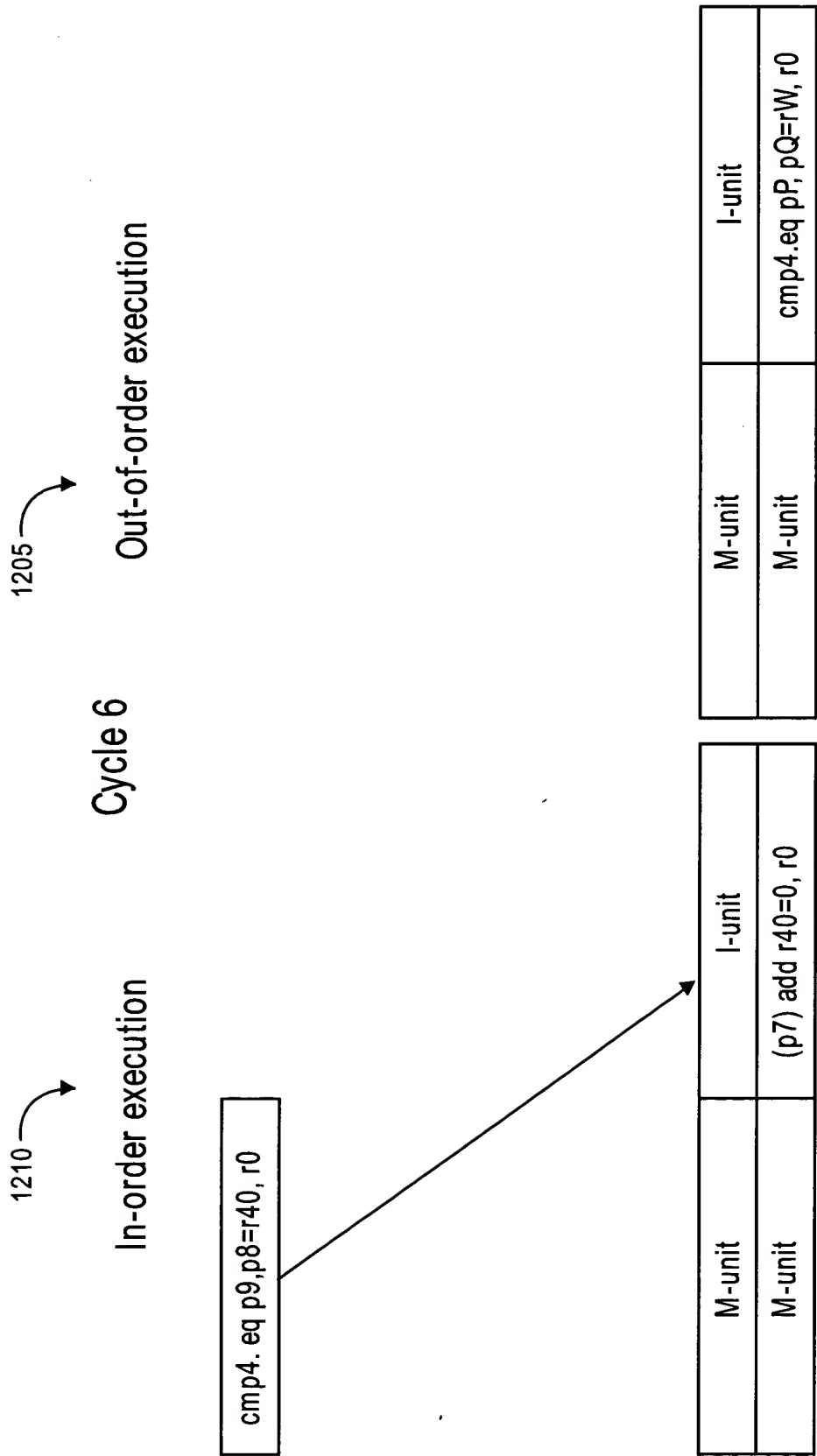


FIG. 12G